

<input checked="" type="checkbox"/> ECO <input type="checkbox"/> ECR	NO. 4413	EFF DATE OF CHG 6 JAN 95	REQUESTED BY ECR 788	PREMIER	PAGE <u>1</u> OF <u>1</u>	
REASON FOR CHANGE DRAWING ERROR		DOCUMENTS EFFECTED B64-13020	SYSTEM BLEED AIR ECU ASSY/INSTL	MATERIAL DISPOSITION		
MARKED PRINTS ATTACHED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>			SERIAL NO. <u>EFF</u>	REWORK	STORE	IN MFG.
				SCRAP		
DISPOSITION/COMMENTS REV. "IS" C		THIS IS AN UNINCORPORATED ECO (STC SH8443SW)				

DESCRIPTION
SHEET 1A

"CHANGED" PARTS LIST ZONE 3C
 "WAS" 3 18276-200 CLAMP AERODUCT
 "IS" 2 24540-200 CLAMP AERODUCT
 "ADDED" TO PART LIST ZONE 8A UNDER -01 QTY. PER
 1 24502-200 CLAMP AERODUCT

SHEET 2

"CHANGED" CALLOUT ZONE 8C
 "WAS" 18276-200 CLAMP, 2 PL
 "IS" 24540-200 CLAMP, 2 PL
 "CHANGED" CALLOUT ZONE 4D
 "WAS" 18276-200 CLAMP, 17189-200C RING SEAL
 "IS" 24502-200 CLAMP, 17189-200C RING SEAL

ECO **■ 4413**

ECR **□**

IMPACT INTERCHANGEABILITY	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	PROCUREMENT ACTION YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	PRIORITY 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/>	CHANGE CLASSIFICATION ■ RECORD □ PMA MAJOR <input type="checkbox"/> TSO MAJOR <input type="checkbox"/> □ PMA MINOR <input type="checkbox"/> TSO MINOR <input type="checkbox"/>
DRAWING CHANGE SPECIFICATION SPARES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
PREPARED BY R. MADARIS	DATE 01/05/95	PROJECT ENG	DATE	QA/QC <i>Ray Madaris</i>	DATE 1/6/95	FAA SUBMITTAL YES
CHECKED BY <i>R. J. Rymer</i>	DATE 05 JAN 95	MFG	DATE	PROD/SPRT	DATE	ENGRG APPR <i>W. Hamaker</i> 1/6/95

■ ECO ECR **4425**

NO.

EFF DATE OF CHG

19 JAN. 95

REQUESTED BY

Q.C.

PAGE

1

OF 1

REASON FOR CHANGE

ACFT UPDATE

MARKED PRINTS ATTACHED

YES NO

DOCUMENTS AFFECTED

SEE
BELOW

SYSTEM

PREMIER

MATERIAL DISPOSITION

REWORK

IN STORE

IN MFG.

SERIAL NO EFF

SCRAP

USE AS IS

DISPOSITION / COMMENTS

SEE BELOW

THIS ECO TO BE INCORPORATED
EO AT A LATER DATE

DESCRIPTION

"Dwg. No"

"Rev. is"

"STC No."

This portion incorp/ECO 4533

B30-23000

D

SH8625SW

ADD TO "USED ON"
BLOCK "412EP"

000-13000

E

SH8477SW

000-13001

E

SH8478SW

000-13002

E

SH8479SW

B64-13020

C

SH8443SW

B64-13021

C

"

B64-13022

C

"

B74-22008

B

"

This portion Incorp per ECO 4991

B19-13000

H

SH8202SW

B19-13003

B

"

B20-13101

G

SH8127SW

B19-13001

G

SH7748SW

B20-13006

C

"

B74-24017

H

"

ECO

■ 4425

ECR

IMPACT		YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	PROCUREMENT ACTION		PRIORITY	CHANGE CLASSIFICATION		
INTERCHANGEABILITY		<input checked="" type="checkbox"/>	<input type="checkbox"/>	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	1 <input type="checkbox"/>	<input checked="" type="checkbox"/> RECORD		
DRAWING CHANGE		<input checked="" type="checkbox"/>	<input type="checkbox"/>			2 <input type="checkbox"/>	<input type="checkbox"/> PMA MAJOR		<input type="checkbox"/> TSO MAJOR
SPECIFICATION		<input type="checkbox"/>	<input checked="" type="checkbox"/>			3 <input checked="" type="checkbox"/>	<input type="checkbox"/> PMA MINOR		<input type="checkbox"/> TSO MINOR
SPARES		<input type="checkbox"/>	<input checked="" type="checkbox"/>						
PREPARED BY	DATE	PROJECT ENG	DATE	QA	DATE	FAA SUBMITTAL			
<i>Celestino</i>	1/19/95	<i> </i>	<i> </i>	<i> </i>	1/19/95	YES			
CHECKED BY	DATE	MFG	DATE	PROD SPRT	DATE	ENGRG APPR	DATE		
<i>W. Hamaker</i>	1/19/95	<i> </i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>	1/19/95		

<input checked="" type="checkbox"/> ECO <input type="checkbox"/> ECR	NO. 4656	EFF DATE OF CHG 30 Nov. 95	REQUESTED BY J. BIVENS	PREMIER	PAGE OF +
REASON FOR CHANGE CERTIFICATION		DOCUMENTS AFFECTED B64-13020 B64-13021 B64-13022 B74-22008	SYSTEM	MATERIAL DISPOSITION	
MARKED PRINTS ATTACHED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		SERIAL NO EFF B64-13022 B74-22008	REWORK SCRAP USE AS IS	STORE IN MFG.	

DISPOSITION / COMMENTS
 B64-13020 REV. 15 "C"
 B64-13021 REV. 15 "C"
 B64-13022 REV. 15 "C"
 B74-22008 REV. 15 "E"

THIS ECO TO BE INCORPORATED at LATER DATE. (STC SH8443SW)

DESCRIPTION

- ADD "Z12" TO USED ON BLOCK TO PRONUNCS LISTED ABOVE.

B74-22008 Incorp per ECO 4991

ECO ■ 4656

ECR ■

IMPACT		YES	NO	PROCUREMENT ACTION		PRIORITY	CHANGE CLASSIFICATION		
		<input type="checkbox"/>	<input checked="" type="checkbox"/>	YES	NO	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> RECORD	<input type="checkbox"/> PMA MAJOR	<input type="checkbox"/> TSO MAJOR
INTERCHANGEABILITY		<input type="checkbox"/>	<input checked="" type="checkbox"/>				<input type="checkbox"/> PMA MINOR	<input type="checkbox"/> TSO MINOR	
DRAWING CHANGE		<input type="checkbox"/>	<input checked="" type="checkbox"/>						
SPECIFICATION		<input type="checkbox"/>	<input checked="" type="checkbox"/>						
SPARES		<input type="checkbox"/>	<input checked="" type="checkbox"/>						
PREPARED BY <i>L. Celestino</i>	DATE 11/30/95	PROJECT ENG	DATE	QA	<i>Craig Johnson</i>	DATE 11/30/95	FAA SUBMITTAL <i>YES</i>		
CHECKED BY <i>N. Hamaker</i>	DATE 11/30/95	MFG	DATE	PROD SPRT	<i>N. Hamaker</i>	DATE 11/30/95	ENGRG APPR <i>N. Hamaker</i>	DATE 11/30/95	

ECO <input type="checkbox"/> ECR <input checked="" type="checkbox"/>	NO. 4716	EFF DATE OF CHG 04 APR. 96	REQUESTED BY JEFF J.	PREMIER	PAGE 1 OF 1
REASON FOR CHANGE ADMINISTRATIVE MARKED PRINTS ATTACHED		DOCUMENTS AFFECTED B64-13020	SYSTEM BLEED AIR ECU	MATERIAL DISPOSITION	
YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>		SERIAL NO EFF	REWORK <input type="checkbox"/>	STORE <input type="checkbox"/> IN MFG. <input checked="" type="checkbox"/>
				SCRAP <input type="checkbox"/>	
				USE AS IS <input type="checkbox"/>	

DISPOSITION / COMMENTS

B64-13020 Rev IS C.

STC SH84435W

THIS IS AN UNINCORPORATED ECO.

DESCRIPTION

B64-13020 SH1:

ADD B00-13022 TO NHA BLOCK.

B64-13020 SH1B: ZONE 2C

B27-23028-01 OVERLAY MODIFICATION

" " " WAS

B27-23028-01 OVERLAY MODIFICATION (412/412EP ONLY)
 327-23004-01 OVERLAY MODIFICATION (212 ONLY)

" " " IS

IMPACT		PROCUREMENT	PRIORITY	CHANGE CLASSIFICATION	
YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	ACTION	1 <input type="checkbox"/>	<input type="checkbox"/> RECORD	
INTERCHANGEABILITY <input type="checkbox"/>	DRAWING CHANGE <input type="checkbox"/>	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	<input type="checkbox"/> TSO MAJOR	
SPECIFICATION <input type="checkbox"/>	SPARES <input type="checkbox"/>			<input checked="" type="checkbox"/> PMA MINOR <input type="checkbox"/> TSO MINOR	
PREPARED BY <i>T. Tonis</i>	DATE 3/22/96	PROJECT ENG <i>J</i>	DATE	QA <i>T. Tonis</i>	DATE 3/22/96
CHECKED BY <i>D. Vancor</i>	DATE 3/22/96	MFG <i>J</i>	DATE	PROD SPRT <i>J</i>	DATE 3/22/96
					FAA SUBMITTAL <i>YES</i>
					ENGRG APPR <i>W. Lamason</i>
					DATE 4/4/96

<input checked="" type="checkbox"/> ECO <input type="checkbox"/> ECR	NO. 4809	EFF DATE OF CHG 13 AUG. 1996	REQUESTED BY Ray Morrison	PREMIER	PAGE 1 OF _____
REASON FOR CHANGE ADD ALTERNATE LOCATION		DOCUMENTS AFFECTED Blot-13020	SYSTEM	MATERIAL DISPOSITION	
MARKED PRINTS ATTACHED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		SERIAL NO EFF	REWORK	STORE	IN MFG.
			SCRAP		
			USE AS IS		

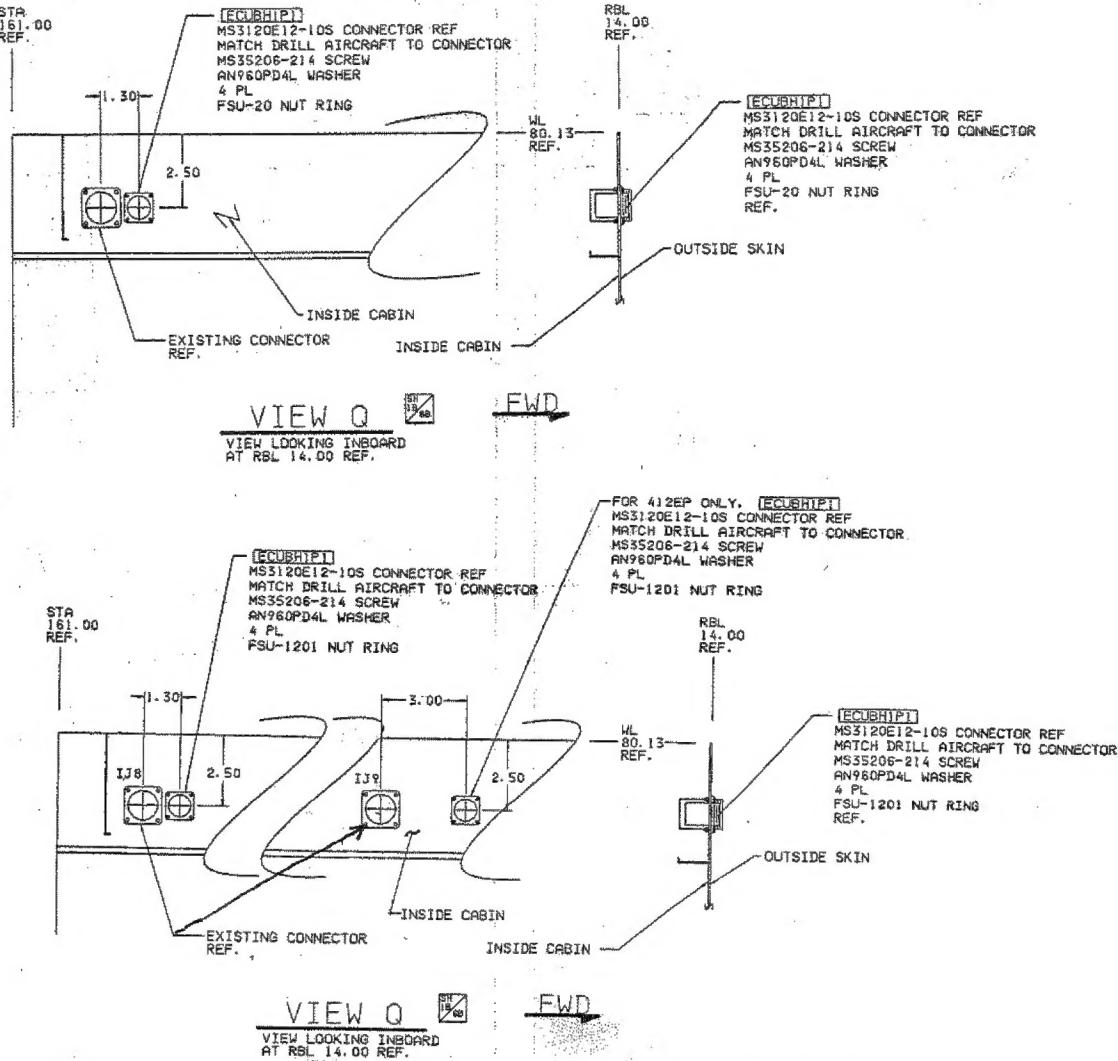
DISPOSITION / COMMENTS

Rev is "C"

This is an unincorporated ECO.

STC # SH 8443 SW

DESCRIPTION

SH 8443 DETAIL & CALLOUT

IMPACT

YES

PROCUREMENT ACTION

YES

PRIORITY

1

CHANGE CLASSIFICATION

 RECORD PMA MAJOR TSO MAJOR PMA MINOR TSO MINOR

INTERCHANGEABILITY
DRAWING CHANGE
SPECIFICATION
SPARES

PREPARED BY

S. Wells

DATE

8/12/96

CHECKED BY

R.L. Reynolds

FORM 003-11300-005

PROJECT ENG

DATE

QA

DATE

FAA SUBMITTAL

DATE

ENGRG. APPR

DATE

W. Romana

9/11/96

ECO 4809

■

4809

ECR

■

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NOTICE: THE INFORMATION AND
DESIGN CONTAINED HEREIN IS THE
PROPERTY OF PREMIER AVIATION
WHO RESERVES ALL RIGHTS THERETO

NOTES (UNLESS OTHERWISE SPECIFIED):

1. IDENTIFY PARTS PER PREMIER IDENTIFICATION AND MARKING PROCEDURES 115-12112 (PARA. 2.1/2.2).
 2. REMOVE ALL BURRS, BREAK ALL EDGES / CORNERS .015-.0625 EXCEPT AS NOTED.
 3. CHEM FILM (ALODINE) ALL ALUMINUM DETAIL PARTS PER MIL-C-5541, CLASS 1A, AND PRIME WITH EPOXY PRIMER PER MIL-P-23377C, ZINC CHROMATE PRIMER PER MIL-TTP-1757, OR EQUIVALENT.
 4. GENERAL SHOP PRACTICES I.A.W. PREMIER SPEC. 008-93000 AND AC43.13.
 5. WELD PARTS PER MIL-STD-2219 AND/OR MIL-W-8604.
 6. FIBERGLASS PER 008-93000 (DATE 4/22/91 REV A) STANDARD 1.9.0/1.9.1
 7. USE -05 BRKT MOUNT HOLES TO MATCH DRILL INSERT LOCATIONS (10 PL).
 8. USE -45 BRKT MOUNT HOLES TO MATCH DRILL INSERT LOCATIONS (2 PL).
 9. INSERT INSTALLATION REFERENCE PREMIER SPEC. 105-11007-100. PROCESS.

REV STATUS OF SHEETS	REV	C	C	C	C	C	C	B	C	B	C	C
	SHEET	1	1A	1B	2	3	4	5	6	7	8	9

REVISIONS			
ZONE	MOD	REV	
	-	MFG. RELEASE	3/06/92
	A	INCORP PER ECO 3594	9/09/92
	B	REVISED PER ECO 4175	6/1/94
	C	REVISED PER ECO 4354	10/13/94

QTY PER	PART NO.	DESCRIPTION	SPECIFICATION	CODE IDENT NO.	ITEM NO.
1	MS21266-2	GROMMET			
2	MS21075L-08	NUTPLATE			
6	MS21059L3K	NUTPLATE			
8	MS21059L3	NUTPLATE			
20	MS21042L06	NUT			
2	MS21042L04	NUT			
6	MS21042L3	NUT			
4	MS20470AD5	RIVET			
AR	MS20470AD4	RIVET			
AR	MS20426AD3	RIVET			
I	MS18029-1L-3	COVER			
23	NAS601-10	SCREW			
1	NAS596-24	NUT			
4	NAS43DD-3-16N	SPACER			
4	NAS43DD-1-20	SPACER			
16	NAS1149DN616K	WASHER			
2	NAS1149DN416K	WASHER			
4	NAS1149D0316K	WASHER			
4	AN3C10A	BOLT			
40	AN960PD6	WASHER			
4	AN960PD4L	WASHER			
12	AN960PD10	WASHER			
22	AN960PD10L	WASHER			
8	AN960KD10L	WASHER			
1	AN924-8	NUT			
	-05	BRACKET MODIFICATION			
	-03	AIR CONDITIONER MODIFICATION			
	-01	INSTALLATION			

ECO
4413
4425
4656
4716
4809

-03	-01	PARTS LIST		NO.
MATERIAL		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON DECIMALS .XX±.05 .XXA±.05 ANGLES ±1°		
		DRAWN BY DL KREMPIN 07/01/81	CHECKED	APPROVAL
FINISH LAST SECTION LETTER USED "R"		ON NHA	RELEASED 03/06/92	APPROVAL
		412		APPROVAL
			SIZE CODE IDENT NO.	REV.
			D OSUV8 B64-13020	C
		SCALE:	WT:	SHEET 1 OF 9

 PREMIER AVIATION
GRAND PRAIRIE, TEXAS

BLEED AIR ECU
ASSY/INSTL

STC SH8443SW

STC SH8443SW

8

10

1

1

12

1

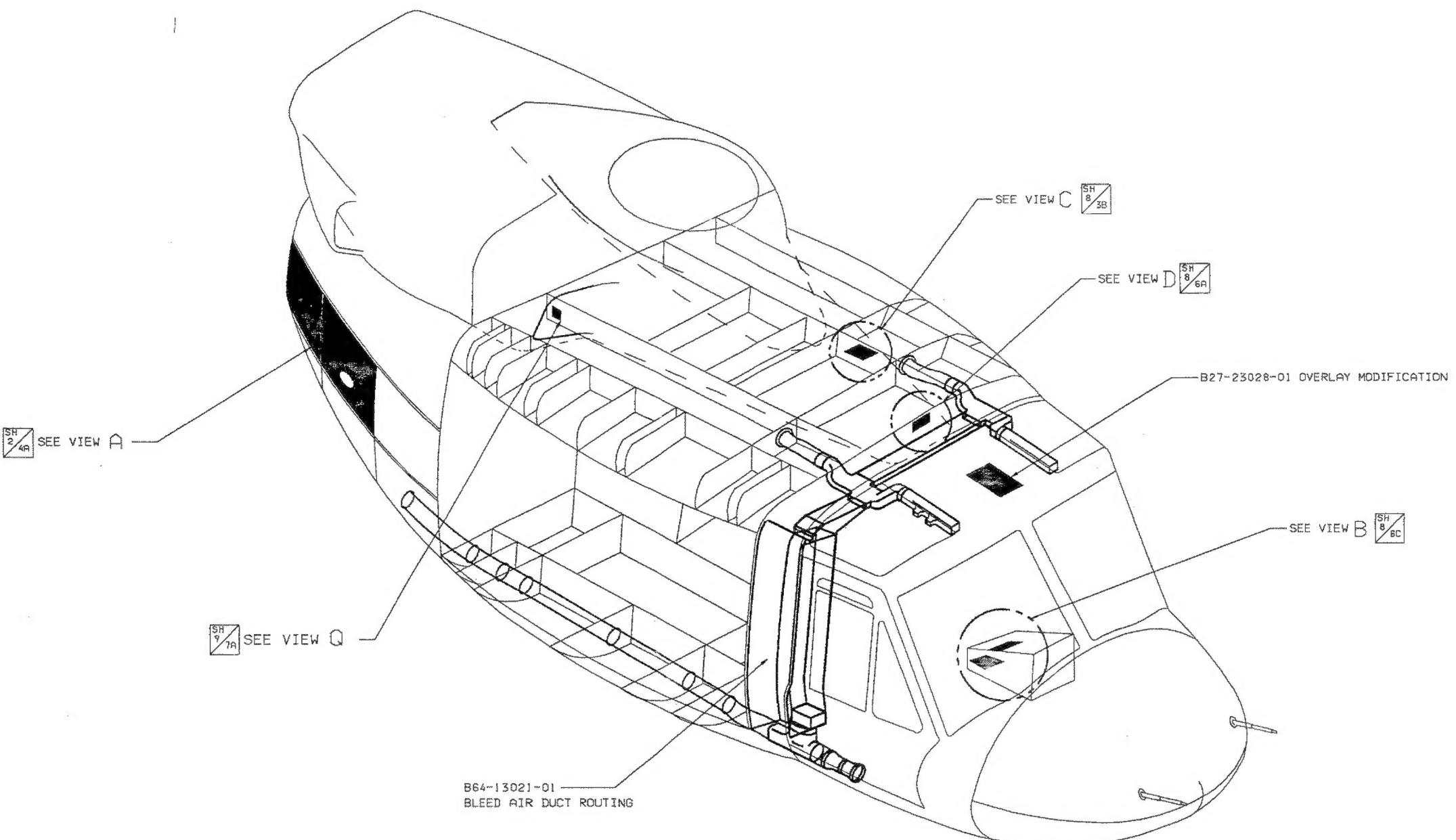
STC'd PENT

B6413020, 01 ORIGINAL

QTY PER	QTY PER	PART NO.	DESCRIPTION	SPECIFICATION	CODE IDENT	ITEM NO.
-03	-01		PARTS LIST			
1	B64-13021-01		BLEED AIR DUCT ROUTING	PREMIER		
2	B80-22004-01		RELAY ASSY	PREMIER		
1	B64-13022-79		SCREEN	PREMIER		
1	B64-13022-77		DOUBLER ASSY.	PREMIER		
1	B64-13022-75		DUCT	PREMIER		
1	B64-13022-61		DUCT	PREMIER		
1	B64-13022-59		DUCT	PREMIER		
1	B64-13022-55		DUCT	PREMIER		
1	B64-13022-45		BRKT	PREMIER		
1	B64-13022-37		DOUBLER	PREMIER		
1	B64-13022-35		DOUBLER	PREMIER		
REF.	B64-13022-19		PIPE ASSY	PREMIER		
REF.	B64-13022-17		PIPE ASSY	PREMIER		
1	B64-13022-15		FLANGE ASSY	PREMIER		
1	B64-13022-13		BRKT ASSY	PREMIER		
1	B64-13022-11		DUCT ASSY	PREMIER		
1	B64-13022-09		BRKT ASSY	PREMIER		
1	B64-13022-07		BRKT ASSY	PREMIER		
1	B64-13022-05		BRKT ASSY	PREMIER		
1	B64-13022-03		DOUBLER ASSY	PREMIER		
1	B64-13022-01		DOOR ASSY	PREMIER		
1	B30-24003-01		ECU CONTROL PANEL	PREMIER		
1	B27-23028-01		OVERLAY MODIFICATION	PREMIER		
A/R	1304		RESIN	WAGGONER PLASTICS INC.		
A/R	1581/50		FIBERGLAS CLOTH	WAGGONER PLASTICS INC.		

2	2T-1B-126	RELAY	HI-G CO	
A/R	847	ADHESIVE	3M	
1	2203010-1-1	ENVIR CONTROL UNIT	AIR RESEARCH	
1	17189-200C	RING SEAL	AERODUCT	
3	18276-200	CLAMP	AERODUCT	
1	3214532-2-3	PRESSURE RELIEF SHUTOFF VALVE	AIR RESEARCH	
10	RF4	RECEPTACLE	DZUS	
A/R	EA934	ADHESIVE	HYSOL	
A/R	CR3243-3	RIVET	CHERRY	
A/R	CR3243-4	RIVET	CHERRY	
A/R	SCEET-20	HOSE, 36.00 LG	AERODUCT	
A/R	SCEET-18	HOSE, 21.20 LG	AERODUCT	
16	80-005-2-8	INSERT	BELL	
2	80-005-1-8	INSERT	BELL	
1	MS35842-16	CLAMP		
2	MS35842-15	CLAMP		
4	MS35338-138	LOCK WASHER		
12	MS35206-232	SCREW		
4	MS35206-230	SCREW		
4	MS35206-228	SCREW		
6	MS35206-214	SCREW		
REF	MS3120E12-10S	CONNECTOR		
1	MS27212-1-3	TERMINAL STRIP		
8	MS27039-1-11	SCREW		
6	MS27039-1-10	SCREW		
6	MS27039-1-08	SCREW		
12	MS27039-1-07	SCREW		
4	MS27039-0806	SCREW		

SIZE	CODE IDENT NO.	REV
D	PSUV8 B64-13020	C
BLEED AIR ECU ASSY/INSTALL		SHEET 1A OF 9



-01 INSTALLATION

SIZE	CODE IDENT NO.	REV
D	OSUV8	B64-13020
BLEED AIR ECU ASSY/INSTALL		
SHEET 1B OF 9		

8

7

6

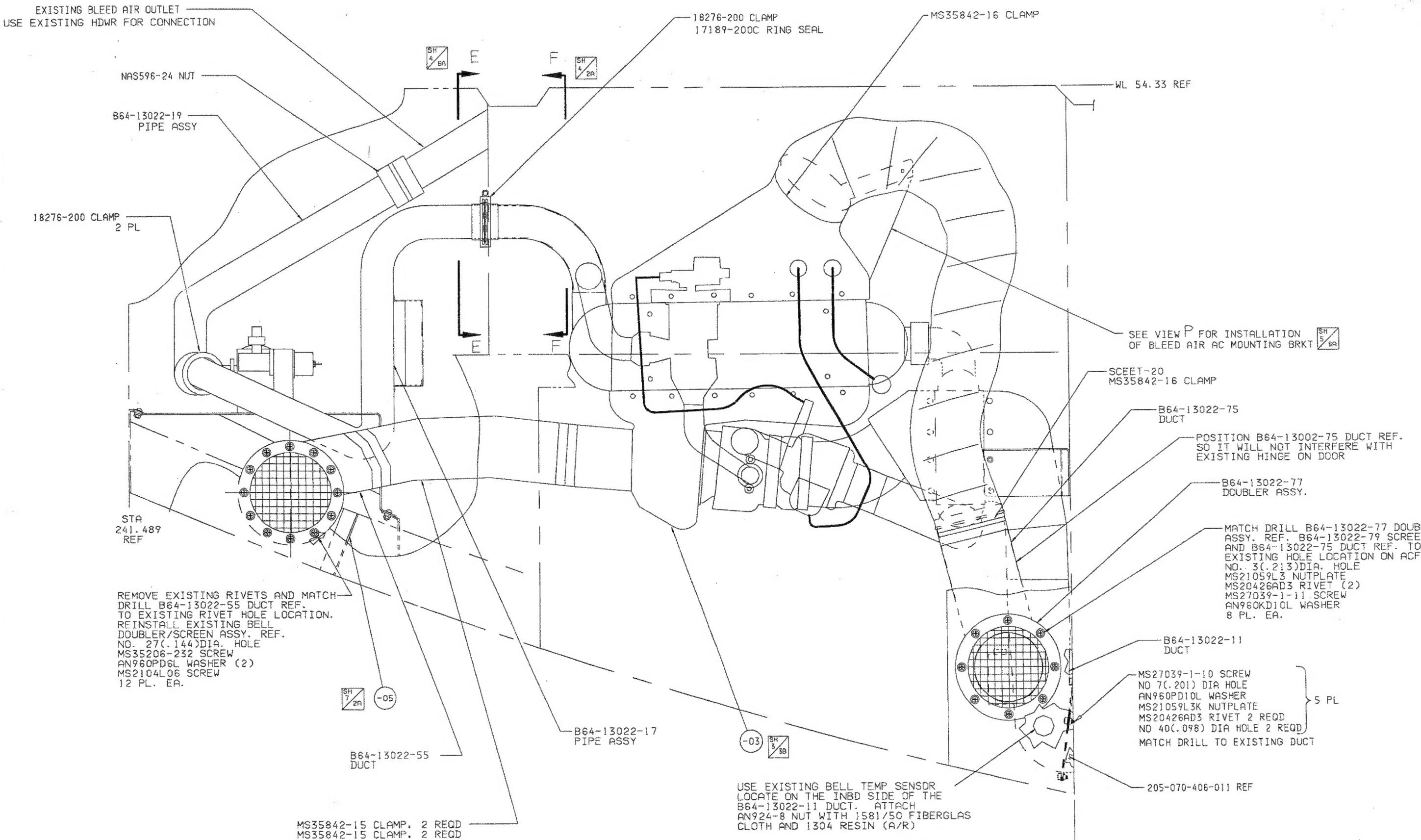
5

4

3

2

1



(VIEW F, DOOR NOT SHOWN FOR CLARITY
OF THIS VIEW)
VIEW LOOKING INBD AT BHD RBL 30.0 REF

SIZE CODE IDENT NO.
D OSUV8 B64-13020
REV C

BLEED AIR ECU ASSY/INSTALL

SHEET 2 OF 9

8

7

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STC'd PRINT

B6413020, 02 ORIGINAL

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D

C

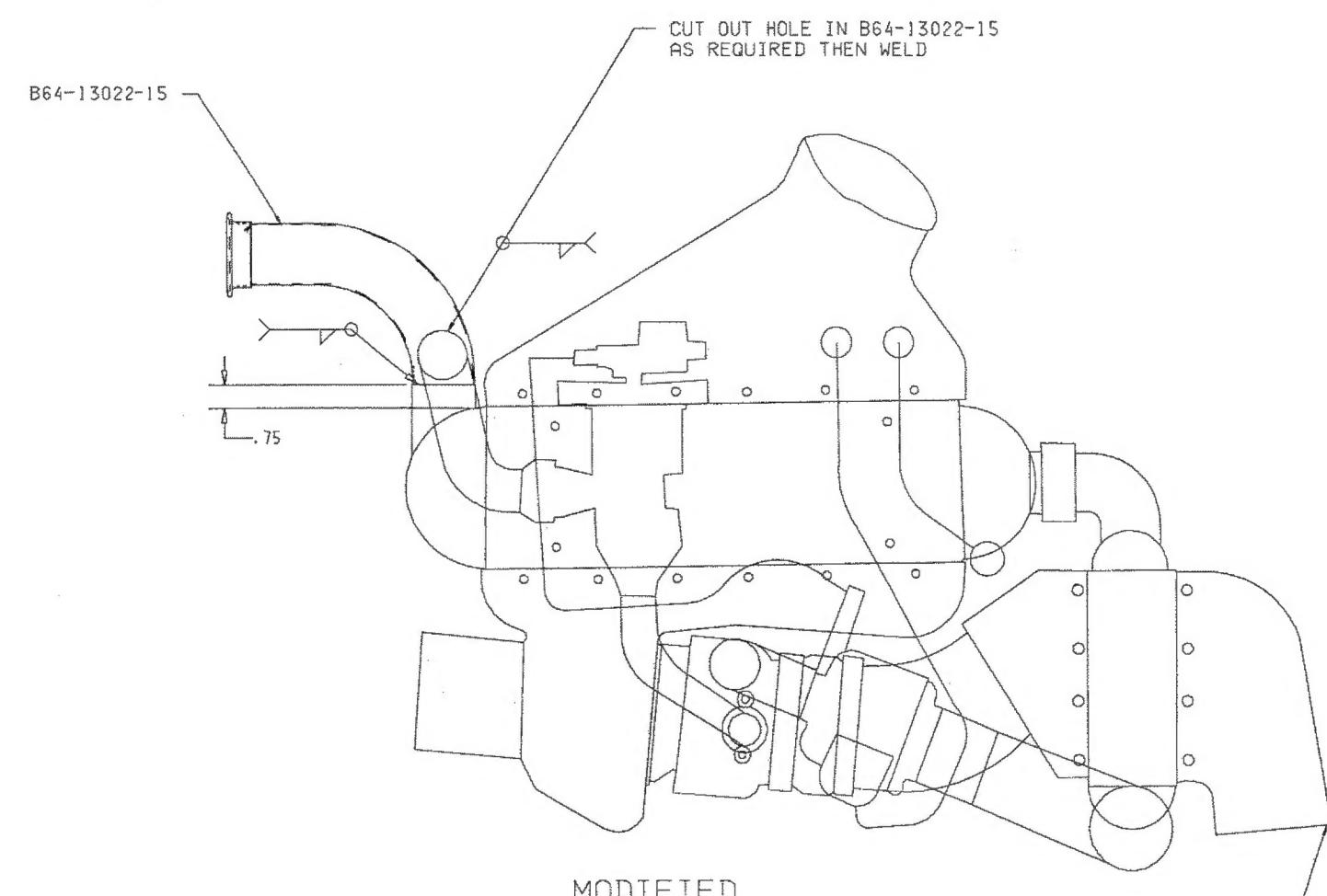
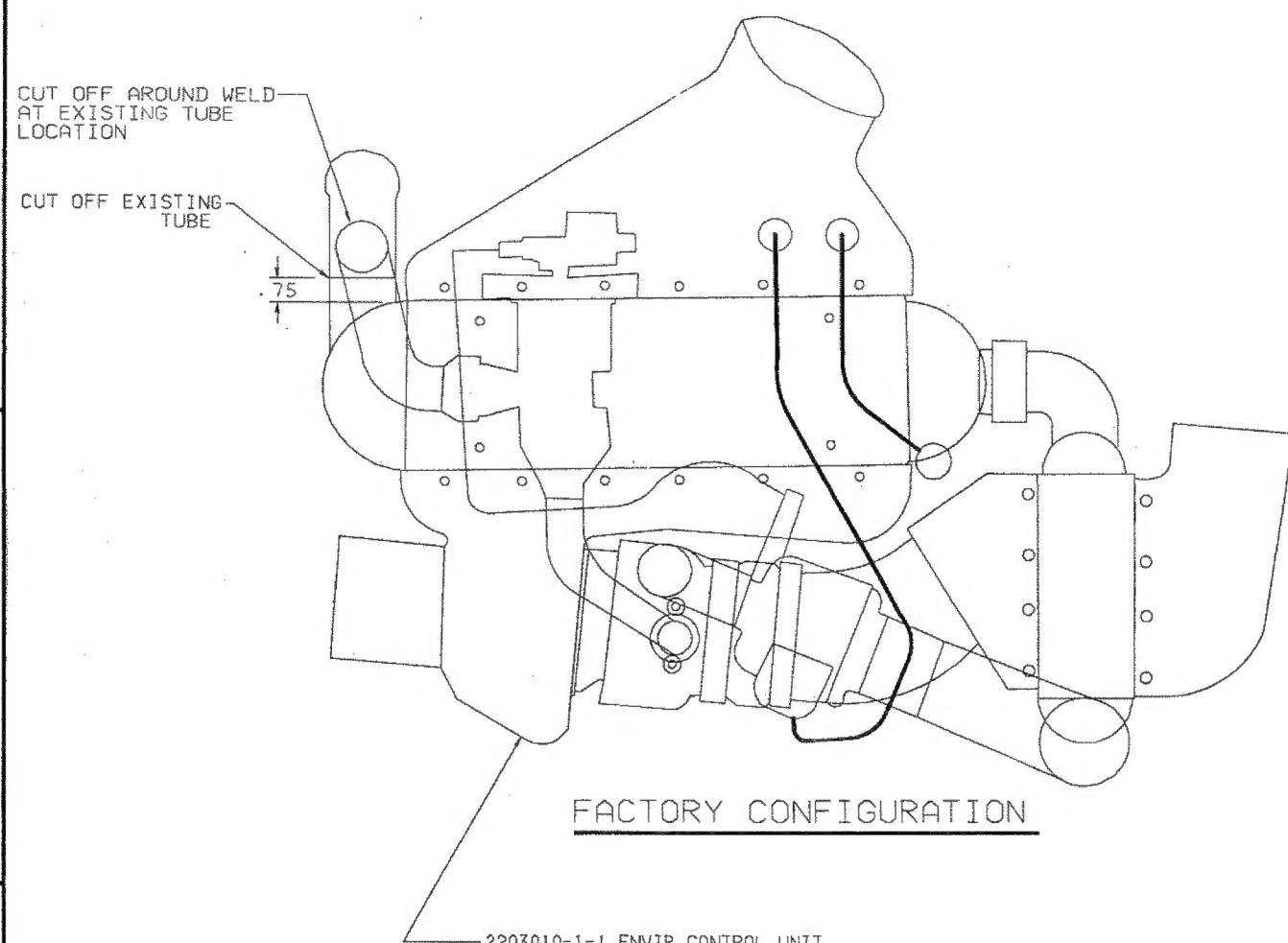
C

B

B

A

A



2203010-1-1 ENVIR CONTROL UNIT

-03 AIR CONDITIONER MOD

SIZE	CODE IDENT NO.	REV
D	OSUV8	B64-13020
BLEED AIR ECU ASSY/INSTALL		
SHEET 3 OF 9		

8

7

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4

3

STC'd PRINT

B6413020.03 ORIGINAL

IF AN AFCS RELAY CONT. BOX EXISTS AT THIS LOCATION, IT WILL NEED TO BE RELOCATED SEE VIEW R SHEET 9 ZONE 2B

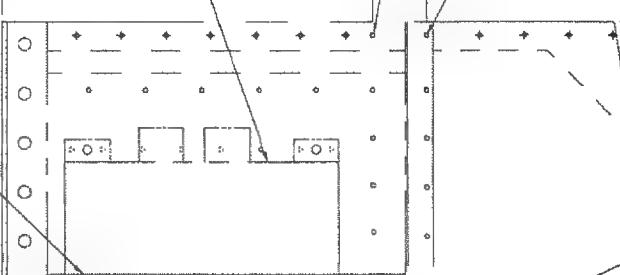
EXISTING LOCATION OF BELL 205-030-405-109

NEW LOCATION OF BELL 205-030-405-109
MS20470AD4 RIVET
16 PL.

RIVETS SHOWN IN THIS LOCATION WILL ONLY BE REQUIRED IF THE AFCS RELAY CONT. BOX EXISTS
MS20470AD5 RIVET (2)
MS20470AD4 RIVET (8)

RBL 14.0
REF

B64-13022-35 DOUBLER
NAS601-10 SCREW
AN960PD6 WASHER
15 EA REQD



MATCH DRILL B64-13022-03
DOUBLER ASSY: REF TO
EXISTING CLAMP LOCATION
IF REQUIRED
NO. 10(.193)DIA. HOLE

MS21266-2 GROMMET
847 ADHESIVE

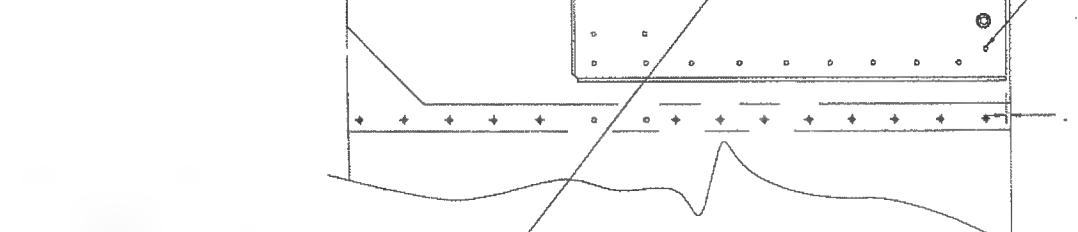
VIEW E-E

SH
2/SC

VIEW LOOKING FWD
@ STA 211.06 REF

B64-13022-03 DOUBLER ASSY
RBL 14.0
REF

B64-13022-37 REF



RIVETS SHOWN IN THIS LOCATION WILL ONLY BE REQUIRED IF THE AFCS RELAY CONT. BOX EXISTS
MS20470AD5 RIVET (2)
MS20470AD4 RIVET (8)

VIEW F-F

SH
2/SC

VIEW LOOKING AFT
@ STA 211.06 REF

SIZE	CODE IDENT NO.	REV
D	OSUV8	B64-13020
BLEED ATR ECU ASSY/INSTALL		

STC SH8443SW

8

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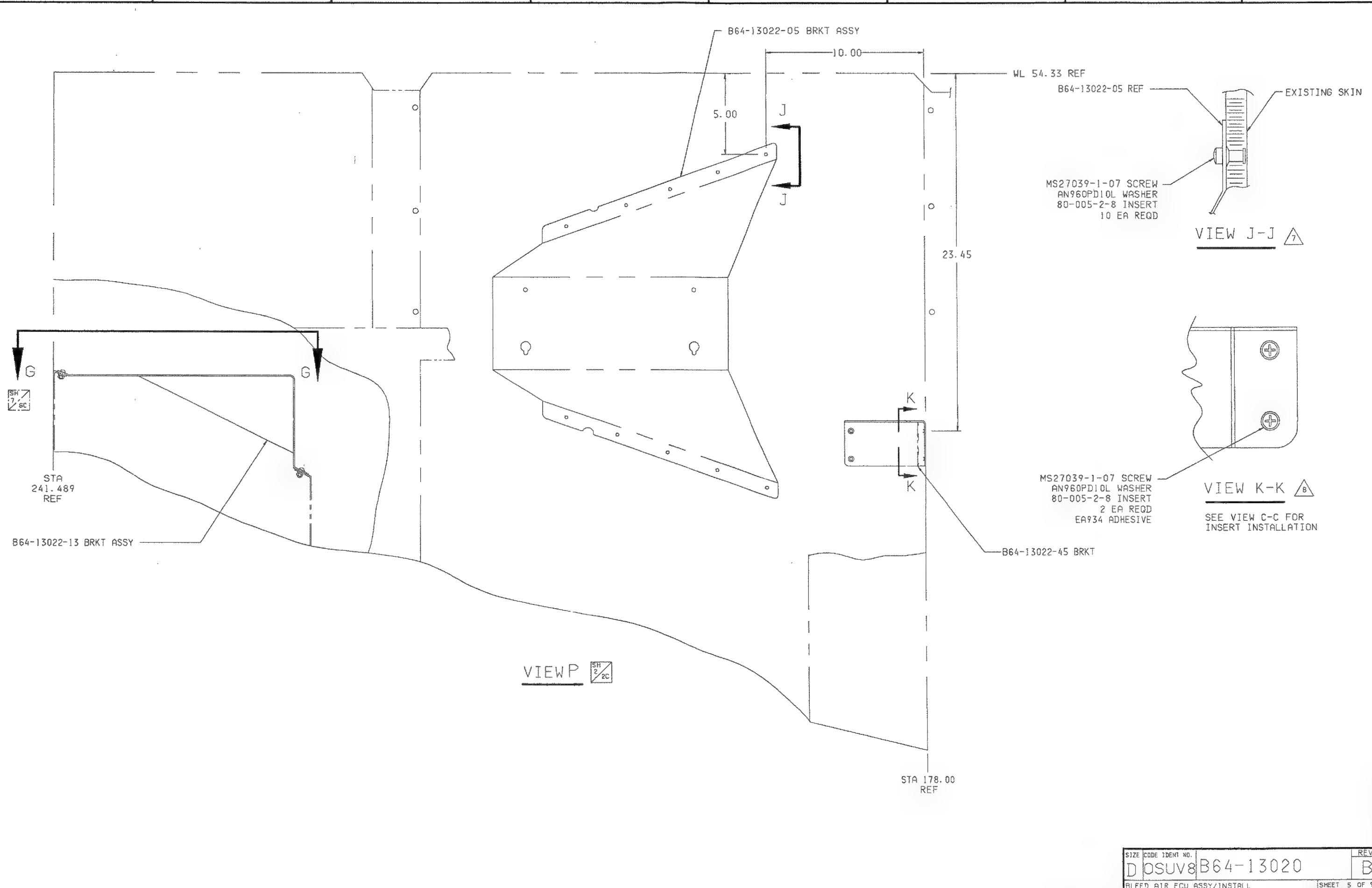
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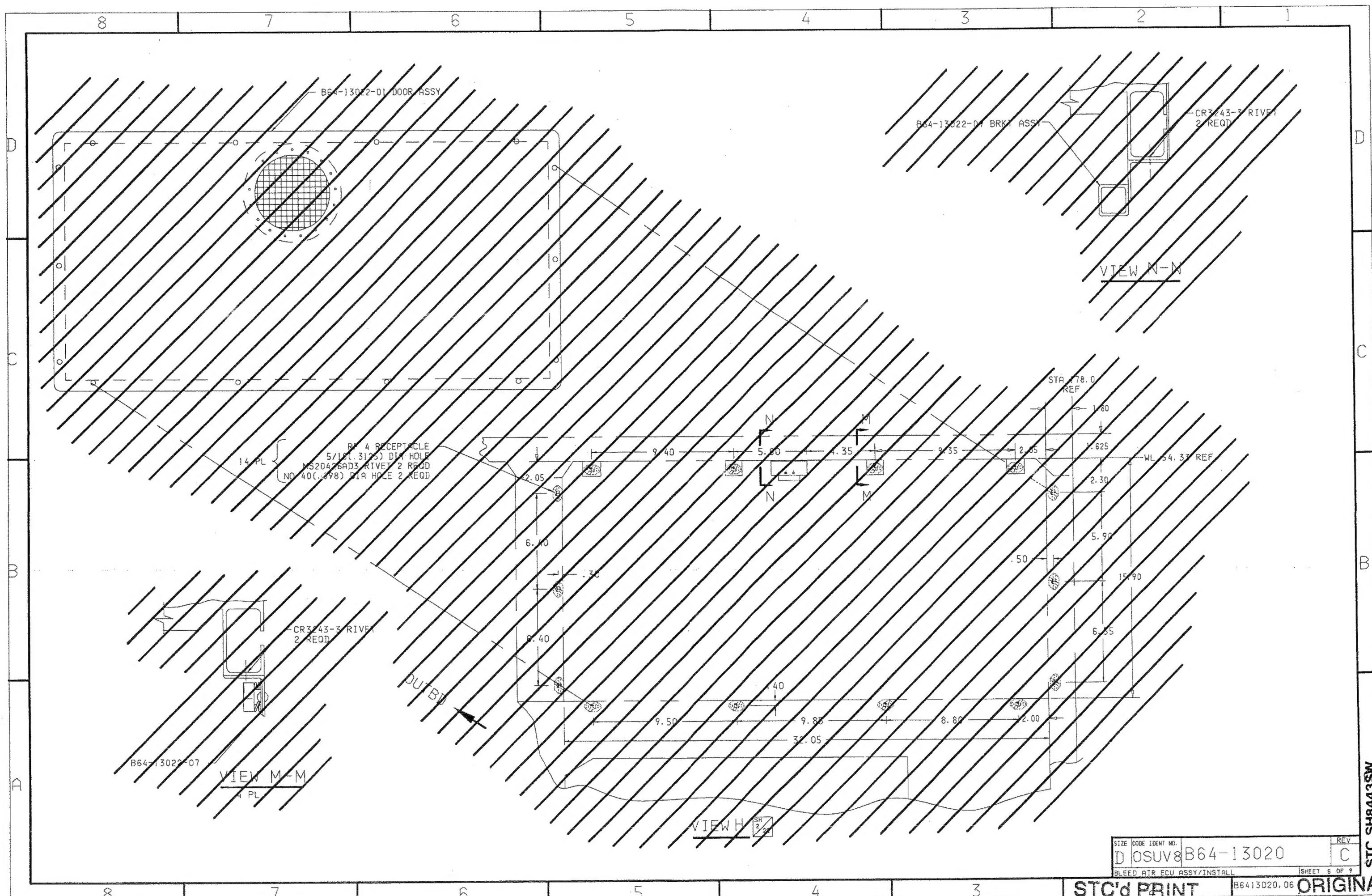
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STC'd PRINT

B6413020, 05

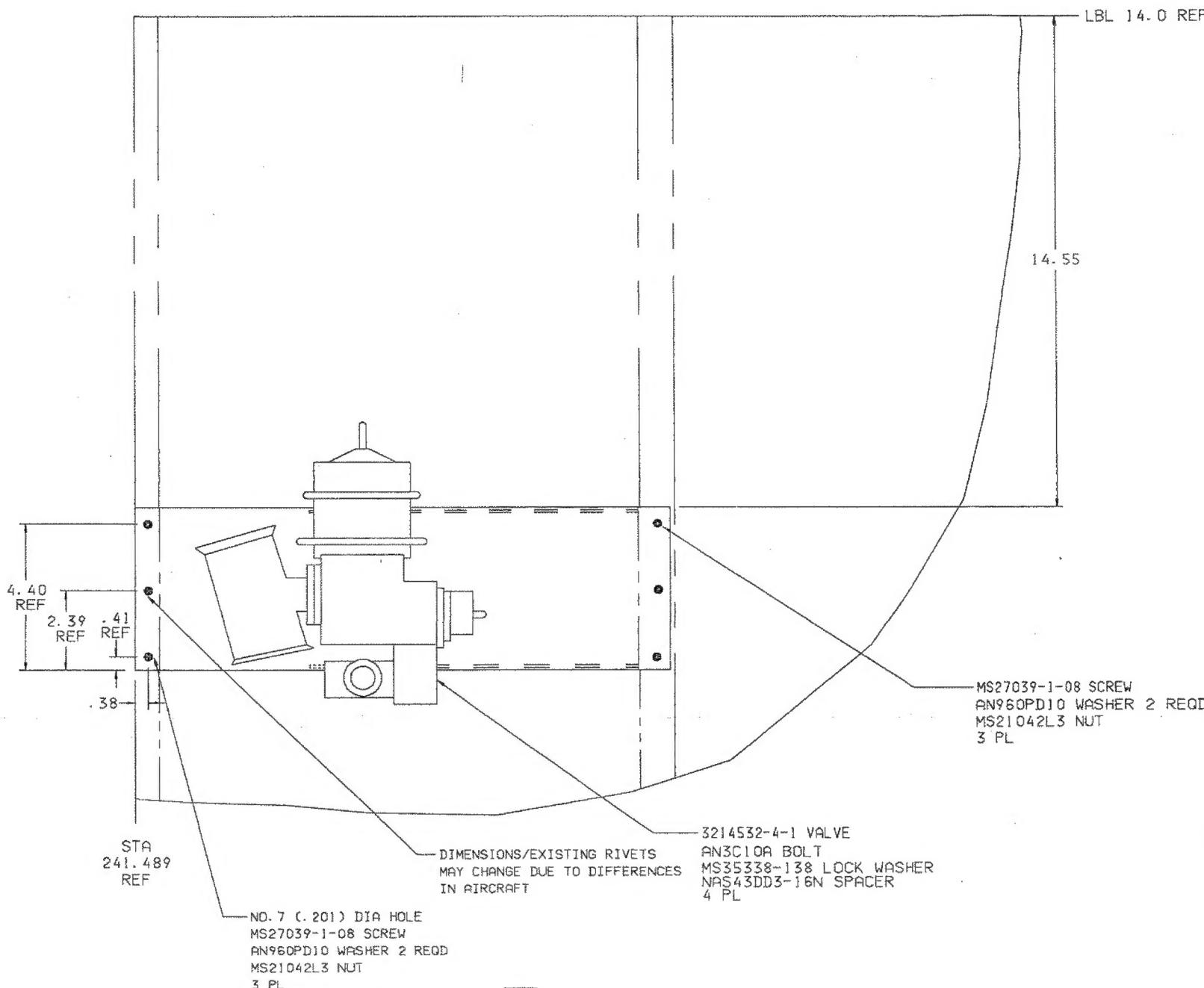
ORIGINAL

8 7 6 5 4 3 2 1

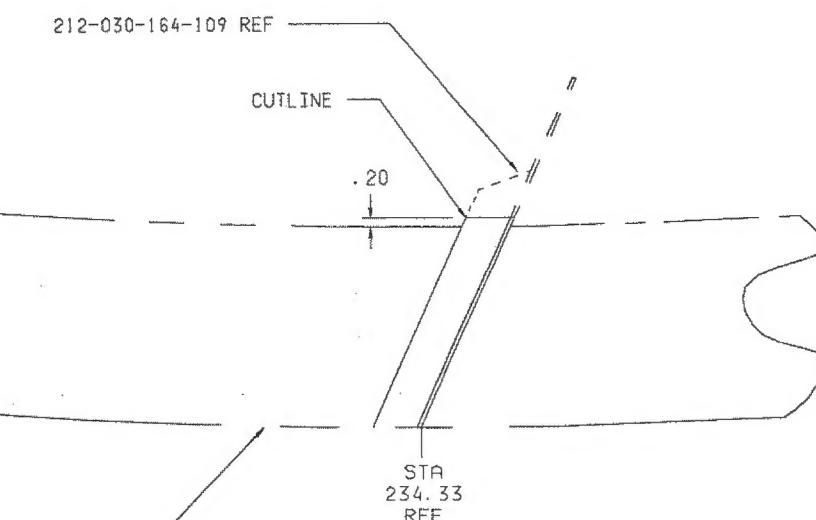


8 7 6 5 4 3 2 1

FWD →



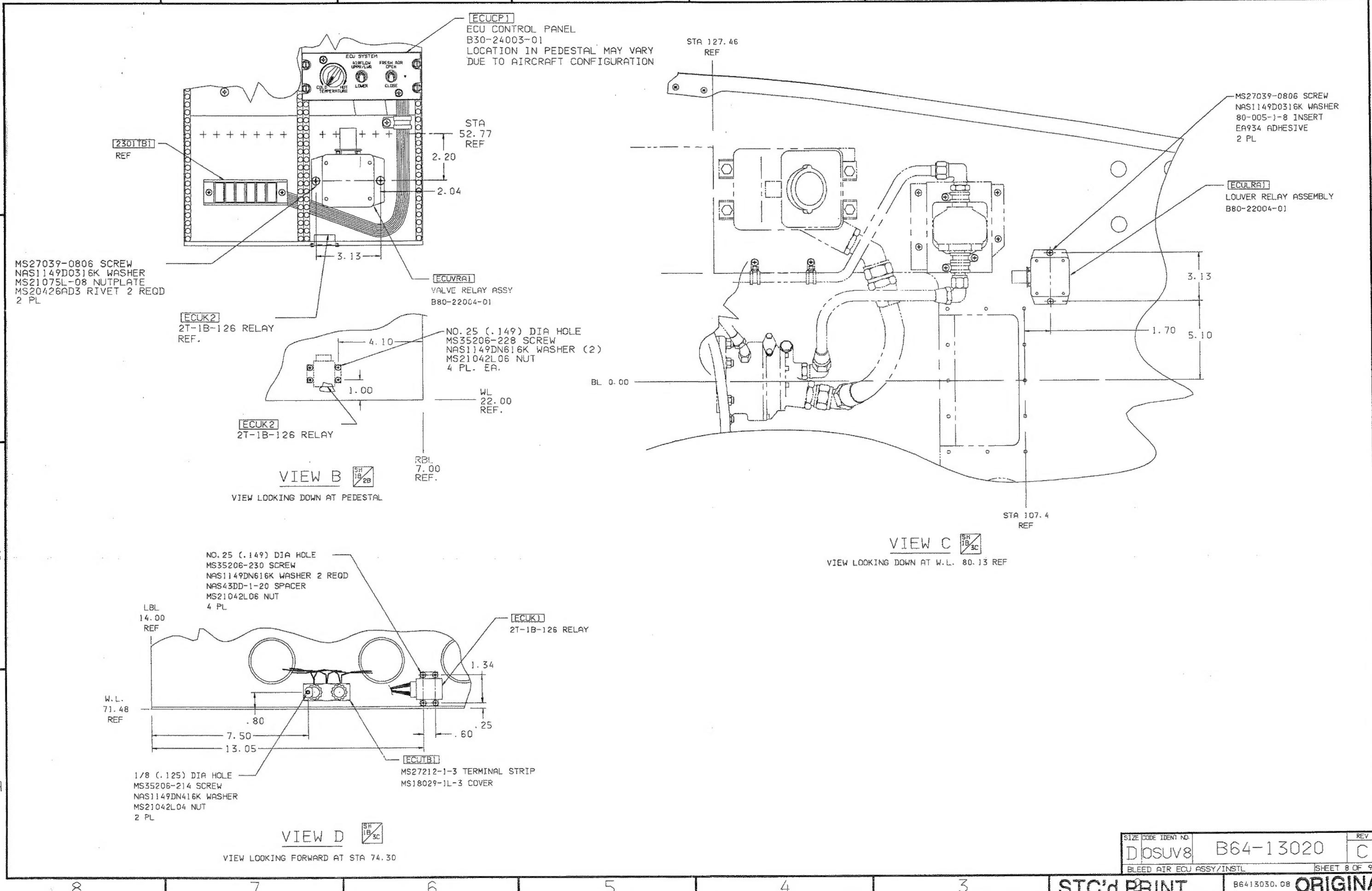
VIEW G-G SH 5/7B



SIZE CODE IDENT NO. REV
D OSUV8 B64-13020 B
BLEED AIR ECU ASSY/INSTALL SHEET 7 OF 9

8 7 6 5 4 3 STC'd PRINT B6413020, 07 ORIGINAL

8 7 6 5 4 3 2 1



8 7 6 5 4 3 2 1

STC'd PRINT B6413030, 08 ORIGINAL

8 7 6 5 4 3 2 1

D

D

C

C

STA
161.00
REF.

[ECUBH1P1]
MS3120E12-10S CONNECTOR REF
MATCH DRILL AIRCRAFT TO CONNECTOR
MS35206-214 SCREW
AN960PD4L WASHER
4 PL
FSU-20 NUT RING

1.30

2.50

RBL
14.00
REF.

[ECUBH1P1]
MS3120E12-10S CONNECTOR REF
MATCH DRILL AIRCRAFT TO CONNECTOR
MS35206-214 SCREW
AN960PD4L WASHER
4 PL
FSU-20 NUT RING
REF.

WL
80.13

WL
20.00
REF.

LBL
14.00
REF.

VIEW R
SH 4/8D
VIEW LOOKING FWD AT
STA 211.06 REF.

EXISTING CONNECTOR
REF.

INSIDE CABIN

OUTSIDE SKIN

VIEW Q
SH 18/8B

VIEW LOOKING INBOARD
AT RBL 14.00 REF.

FWD

8

7

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4

3

STC'd PRINT

B6413020,09

ORIGINAL

SIZE	CODE IDENT NO.	REV
D OSUV8	B64-13020	C

BLEED AIR ECU ASSY/INSTL.
SHEET 9 OF 9

STC SH8443SW